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CLAIMS

- 1. A composition comprising at least one peptide selected from the group consisting of SEQ ID NOS:2, 4, 6, 8, 10, 12, 14, and 16, wherein said peptide binds to a transforming growth factor.
- 2. The composition of Claim 1, wherein said peptide is encoded by a nucleic acid sequence selected from the group consisting of SEQ ID NOS:1, 3, 5, 7, 9, 11, 13, and 15.
- 3. The composition of Claim 1, wherein said peptide is expressed in a protease resistant scaffold.
 - 4. The composition of Claim 3, wherein said scaffold is a protease inhibitor.
- 5. The composition of Claim 4, wherein said protease inhibitor is selected from the group consisting of Bowman-Birk Inhibitor, soybean trypsin inhibitor, and Eglin chymotrypsin inhibitor.
- 6. The composition of Claim 3, wherein said protease resistant scaffold and said peptide comprise a fusion protein.
- 7. A cosmetic or pharmaceutical composition comprising said at least one peptide of Claim 1.
- 8. The composition of Claim 7, wherein said composition is capable of modulating hair growth.
- 9. The composition of Claim 6, wherein said composition further comprises a scaffold.
 - 10. A method for modulating hair growth comprising:
 - i) providing a composition comprising a peptide contained within a scaffold;
 - ii) providing a subject to be treated; and
 - iii) applying said composition to said subject in an area in which hair growth modulation is desired.

- 11. The method of Claim 10, wherein said peptide binds to a transforming growth factor-beta (TGF β).
- 12. The method of Claim 11, wherein said TGF β is selected from the group consisting of TGF β -1 and TGF β -2.
- 13. The method of Claim 10, wherein said scaffold is selected from the group consisting of Bowman-Birk inhibitor, soybean trypsin inhibitor, and Eglin chymotrypsin inhibitor.
- 14. The method of Claim 10, wherein said peptide is selected from the group consisting of SEQ ID NOS: 2, 4, 6, 8, 10, 12, 14, and 16.
- 15. The method of Claim 10, wherein said peptide is encoded by a nucleic acid sequence selected from the group consisting of SEQ ID NOS:1, 3, 5, 7, 9, 11, 13, and 15.
- 16. A method for decreasing the activity of a transforming growth factor comprising the steps of:
 - i) providing a subject; and
- ii) administering the composition of Claim 1 to said subject, under conditions such that the activity of said transforming growth factor is decreased.
- 17. The method of Claim 16, wherein said transforming growth factor is selected from the group consisting of TGF β -1 and TGF β -2.
- 18. A composition comprising at least one TGFβ-1 peptide sequence selected from the group of SEQ ID NOS:2, 4, 6, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, and 34.
- 19. A composition comprising at least one TGF β -2 peptide sequence selected from the group of SEQ ID NOS:8, 10, 12, 14, and 16.